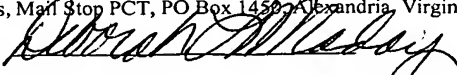


07 FEB 2005

|   |  |   |
|---|--|---|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>   |  | ATTORNEY'S DOCKET NUMBER<br>47966.8.1<br>U.S. APPLICATION NO. (if known) (37 CFR 1.5)<br><b>10/523915</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/IT2002/000521  | INTERNATIONAL FILING DATE<br>6 August 2002 | PRIORITY DATE CLAIMED<br>6 August 2002  |
| TITLE OF INVENTION<br>METHOD AND APPARATUS FOR REMOVING SUBSTANCES FROM SOLID MATRIX WITH ENERGY SAVING   |  |   |
| APPLICANT(S) FOR DO/EO/US: Fortunato FEDEGARI, Andrea SCULLINO, and Paolo PALLADO   |  |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |   |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))                         <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).                         <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input checked="" type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))                         <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |  |   |
| <b>Items 11 to 20 below concern document(s) or information included:</b>  |  |   |
| <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.325.</li> <li>18. <input checked="" type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <u>Return Receipt Postcard</u></li> </ol>   |  |   |
| Express Mail Certificate      Express Mail Label No.: <u>EL 963532019 US</u> Date of Deposit: <u>7 February 2005</u>  |  |   |
| I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop PCT, PO Box 1450, Alexandria, Virginia, 22313-1450.  |  |   |
| Name of Person Making Deposit: <u>Deborah L. Maday</u> Signature:   |  |   |

EL 963532019US

|  |  |  |  |                                       |  |
|--|--|--|--|---------------------------------------|--|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><div style="font-size: 1.5em; font-weight: bold; text-align: center;">10/523915</div> |  | INTERNATIONAL APPLICATION NO.<br>PCT/IT2002/000521 |  | ATTORNEY'S DOCKET NUMBER<br>47966.8.1 |  |
|--|--|--|--|---------------------------------------|--|

|  |  |  |  |                      |                        |
|--|--|--|--|----------------------|------------------------|
| 21. The following fees are submitted:<br><br><input checked="" type="checkbox"/> a) Basic national fee.....\$300.00<br><input checked="" type="checkbox"/> b) Examination fee.....\$200.00<br><input checked="" type="checkbox"/> c) Search fee.....\$500.00<br><b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b> |  |  |  | <b>Applicant use</b> | <b>Office use only</b> |
|  |  |  |  |                      |                        |
|  |  |  |  |                      |                        |
|  |  |  |  |                      |                        |
|  |  |  |  |                      | \$1000.00              |

|  |              |   |            |  |  |
|--|--------------|---|------------|--|--|
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |              |   |            |  |  |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | Rate       |  |  |
| * - 100= 0   | 0 / 50= 0    |   | x \$250.00 |  |  |

|  |  |  |  |          |  |
|--|--|--|--|----------|--|
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). |  |  |  | \$130.00 |  |
|--|--|--|--|----------|--|

|   |              |              |             |           |  |
|---|--------------|--------------|-------------|-----------|--|
| CLAIMS                                      | NUMBER FILED | NUMBER EXTRA | RATE        |           |  |
| Total claims                                | 12 - 20 =    | -0-          | x \$ 50.00  | \$ -0-    |  |
| Independent claims                          | 2 - 3 =      | -0-          | x \$ 200.00 | \$        |  |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) |              |              | + \$360.00  | \$        |  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>        |              |              |             | \$1130.00 |  |

|  |  |  |  |          |  |
|--|--|--|--|----------|--|
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.                                |  |  |  | \$565.00 |  |
| <b>SUBTOTAL =</b>  |  |  |  | \$565.00 |  |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).                      |  |  |  | \$       |  |
| <b>TOTAL NATIONAL FEE =</b>  |  |  |  | \$565.00 |  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property |  |  |  | \$       |  |
| <b>TOTAL FEES ENCLOSED =</b>   |  |  |  | \$565.00 |  |

|  |                               |    |
|--|-------------------------------|----|
|  | <b>Amount to be refunded:</b> | \$ |
|  | <b>charged:</b>               | \$ |

a. ☒ A check in the amount of \$565.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

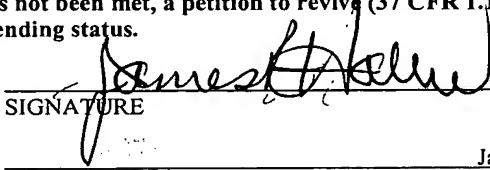
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1910. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

James R. Haller  
FREDRIKSON & BYRON, P.A.  
200 South Sixth Street, Suite 4000  
Minneapolis, Minnesota 55402-1425  
US

  
 SIGNATURE  
 James R. Haller

24,906  
 REGISTRATION NUMBER